

ABSTRACT

The present application describes a system and method for manufacturing a plasma display panel. According to an embodiment, the plasma display panel includes display cells formed between a front substrate and a rear substrate. The display cells are
5 filed with a gaseous mixture by placing the front and rear substrates inside an inner cavity of a processing chamber before the front and rear substrates are sealed together. The processing chamber is sealed after the front and rear substrates are placed inside the inner cavity of the processing chamber. The gaseous impurities are removed from the display cells and the inner cavity of the processing chamber is filled with a discharge
10 gas. The discharge gas flows into the display cells through the lateral sides of the plasma display panel assembly. After the display cells are filled with the discharge gas, the front and rear substrates are sealed together inside the inner cavity of the processing chamber.